

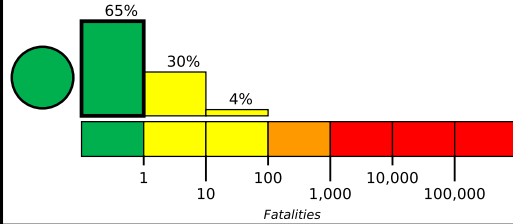
M 5.3, 111 km SW of Abepura, Indonesia

Origin Time: 2022-04-09 21:22:10 UTC (Sun 06:22:10 local)
Location: 3.1604° S 139.8063° E Depth: 24.2 km

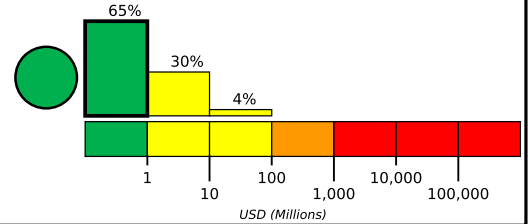
Created: 3 weeks, 3 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

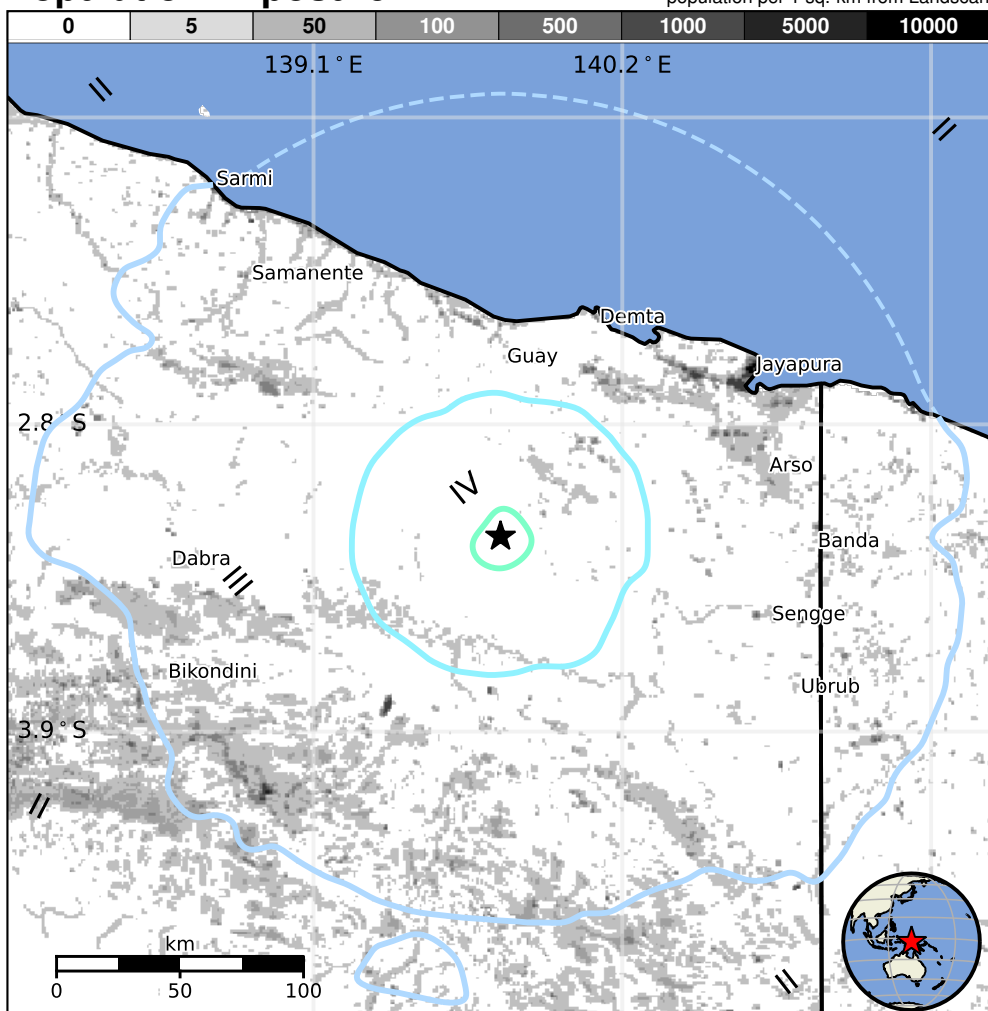


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 1,471k | 20k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unreinforced brick masonry construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2002-01-10 | 292 | 6.7 | IX(3k) | 1 |
| 2002-09-08 | 348 | 7.6 | IX(17k) | 4 |
| 1981-01-19 | 161 | 6.6 | IX(1k) | 1k |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-----------------|-------------|
| III | Genyem | <1k |
| III | Elelim | <1k |
| III | Guay | <1k |
| III | Sawoi | <1k |
| III | Armopa | <1k |
| III | Depapre | <1k |
| III | Sentani | <1k |
| III | Abepura | 62k |
| III | Jayapura | 135k |
| III | Vanimo | 10k |
| III | Vanimo | 11k |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000h0yv#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000h0yv